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**Homework 2-3****Int 1****Compare and Order Rational Numbers****Unit 2**Fill in each \_\_\_\_\_ with  $<$ ,  $>$  or  $=$  to make a true sentence.

1)  $0.2 < 0.28$

2)  $-0.4 \underline{\hspace{1cm}} -0.400$

3)  $0.7 > 0.65$

4)  $0.\overline{33} \underline{\hspace{1cm}} 0.345$

5)  $-4.05 > -4.6$

6)  $-0.9 \underline{\hspace{1cm}} -0.877$

Order the following decimals from least to greatest.

7)  $0.84, 0.9, 0.732$   $0.732, 0.84, 0.9$

8)  $0.37, 0.289, 0.4$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

9)  $-0.8, -0.59, -0.75$   $-0.8, -0.75, -0.59$

10)  $-0.27, -0.4, -0.336$  \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

11) Use the table that shows the lengths of small mammals.

Animal	Length (ft)
Eastern Chipmunk	$0.\overline{3}$
European Mole	$0.4\overline{16}$
Masked Shrew	$0.1\overline{6}$
Spiny Pocket Mouse	$0.25$

a. Which animal is the smallest mammal?

Masked Shrew

b. Which animal is smaller than the European Mole but larger than the Spiny Pocket Mouse?

c. Order the animals from least to greatest size.

\_\_\_\_\_  
\_\_\_\_\_

Fill in each \_\_\_\_\_ with  $<$ ,  $>$  or  $=$  to make a true sentence.

12)  $-\frac{3}{5}$   $>$   $-\frac{4}{5}$

13)  $7\frac{5}{8}$  \_\_\_\_\_  $7\frac{1}{8}$

14)  $-6\frac{2}{3}$   $<$   $-6\frac{1}{2}$

15)  $\frac{17}{24}$  \_\_\_\_\_  $\frac{11}{12}$

16)  $1\frac{7}{12}$   $<$   $1\frac{5}{8}$

17)  $-\frac{5}{7}$  \_\_\_\_\_  $-\frac{2}{7}$

Order the following numbers from least to greatest.

18)  $-1\frac{2}{5}$ ,  $-1\frac{1}{25}$ ,  $-1\frac{1}{4}$  =  $-\frac{2}{5}$ ,  $-\frac{1}{4}$ ,  $-\frac{1}{25}$

19)  $\frac{13}{25}$ ,  $\frac{2}{5}$ ,  $\frac{57}{100}$  = \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

20)  $0.23$ ,  $\frac{19}{100}$ ,  $\frac{1}{5}$  =  $\frac{19}{100}$ ,  $\frac{1}{5}$ ,  $0.23$

21)  $-0.615$ ,  $-\frac{5}{8}$ ,  $-0.62$  = \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

22) Which of the following fractions is the least?

A.  $-\frac{7}{8}$

B.  $-\frac{7}{10}$

C.  $-\frac{7}{9}$

D.  $-\frac{7}{11}$